

NWS Form E-5

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(PRES. BY NWS Instruction 10-924)

U.S. DEPARTMENT OF COMMERCE

NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION

NATIONAL WEATHER SERVICE

HYDROLOGIC SERVICE AREA (HSA)

San Angelo, TX

MONTHLY REPORT OF HYDROLOGIC CONDITIONS

REPORT FOR:

MONTH

YEAR

July

2012

TO: Hydrologic Information Center, W/OS31
NOAA's National Weather Service
1325 East West Highway
Silver Spring, MD 20910-3283

SIGNATURE

Jason Johnson

DATE

August 17, 2012

When no flooding occurs, include miscellaneous river conditions below the small box, such as significant rises, record low stages, ice conditions, snow cover, droughts, and hydrologic products issued (NWS Instruction 10-924).

☒ An X inside this box indicates that no flooding occurred within this hydrologic service area.

Hot and dry conditions dominated much of the San Angelo hydrologic service area (HSA) during the month of July. While an upper level high pressure system occupied the area through much of the month, a few storm systems were able to work their way into the region to provide temporary relief. Most notable, were storms that occurred during the middle of the month. From the 8th-11th, a weak upper level disturbance moved west into the region and interacted with a weak cold front approaching from the north. Over several days, thunderstorms and rain showers moved over the area, with the heavier amounts (isolated 3" to 5") focused mainly over Coleman, Concho, Sutton, Menard, McCulloch, Mason, San Saba and Brown Counties.

By the end of July, the U.S. Drought Monitor depicted extreme to exceptional drought conditions across the northern Big Country region including Jones, Haskell and Throckmorton Counties. Across the remainder of the HSA, moderate to severe drought conditions were depicted by the USDM. The USGS Water Watch showed daily streamflows in the HSA were generally below normal during the month.

The average precipitation reported from coop observers in July was 1.67 inches. The highest monthly precipitation total of 6.09 inches was reported in Coleman County.

The San Angelo Regional Airport received 0.52 of an inch of rain during July, which was 0.68 of an inch below normal for the month. The monthly normal rainfall for San Angelo in July is 1.20 inches.

The Abilene Regional Airport received 1.49 inches of rain during July, which was 0.38 of an inch below normal for the month. The monthly normal rainfall for Abilene in July is 1.87 inches.

Junction received 1.47 inches of rain during July. The estimated average monthly rainfall in July is about 2.25 inches.

Coop Observer Rainfall Totals for July, 2012:

Station Name	Amount (in)		Station Name	Amount (in)
Abilene 2	2.23		Menard	1.35
Acton Ranch	1.85		Merkel 12SW	0.68
Albany	1.60		Mertzon 12NNW	1.44
Ballinger 2NW	0.54		Ozona	1.39
Brady	1.37		Ozona 22SE	1.99
Brownwood	0.60		Putnam	1.11
Burkett	6.09		Red Bluff Crossing	4.29
Coleman	3.40		Roscoe	1.35
Concho Park	2.19		Rotan	0.77
Eden	0.72		San Angelo WFO	0.66
Eldorado	1.15		San Saba 7NW	4.43
Fort Griffin	1.10		Santa Anna 12SSE	0.44
Fort McKavett	0.21		Silver Valley	1.85
Glen Cove 2NE	1.42		Sonora	0.80
Hamlin	4.21		Stamford	0.84
Haskell	0.69		Sterling City	1.05
Hords Creek	2.72		Taylor Ranch	0.30
Humble Pump	1.59		Throckmorton 7NE	0.44
Junction 4SSW	0.79		Water Valley	3.09
Lake Abilene	1.40		Water Valley 11NE	2.11
Mason	3.20		Woodson	0.70

Reservoir Conditions (end of July, 2012)

Reservoir	Conservation Capacity (Ac-Ft)	End of Month Capacity (Ac-Ft)	Percent of Capacity (%)
Fort Phantom Hill	70,030	32,060	46
Lake Stamford	52,700	18,530	36
Hubbard Creek Lake	317,800	126,640	40
Hords Creek Lake	8,800	720	9
Lake Brownwood	131,428	67,600	51
E.V. Spence	488,760	1,540	0
O.C. Fisher	119,200	220	0
O.H. Ivie	554,340	77,230	14
Twin Buttes	177,800	9,060	5

Hydro Products Issued

FFW = 1

FLS = 8 (Flood Advisory)

ESF = 2 (Probabilistic Forecast)

The NWS precipitation analysis can be viewed at <http://water.weather.gov/>.

The total monthly precipitation estimate and percent of normal precipitation for July across the San Angelo HSA is depicted below.

